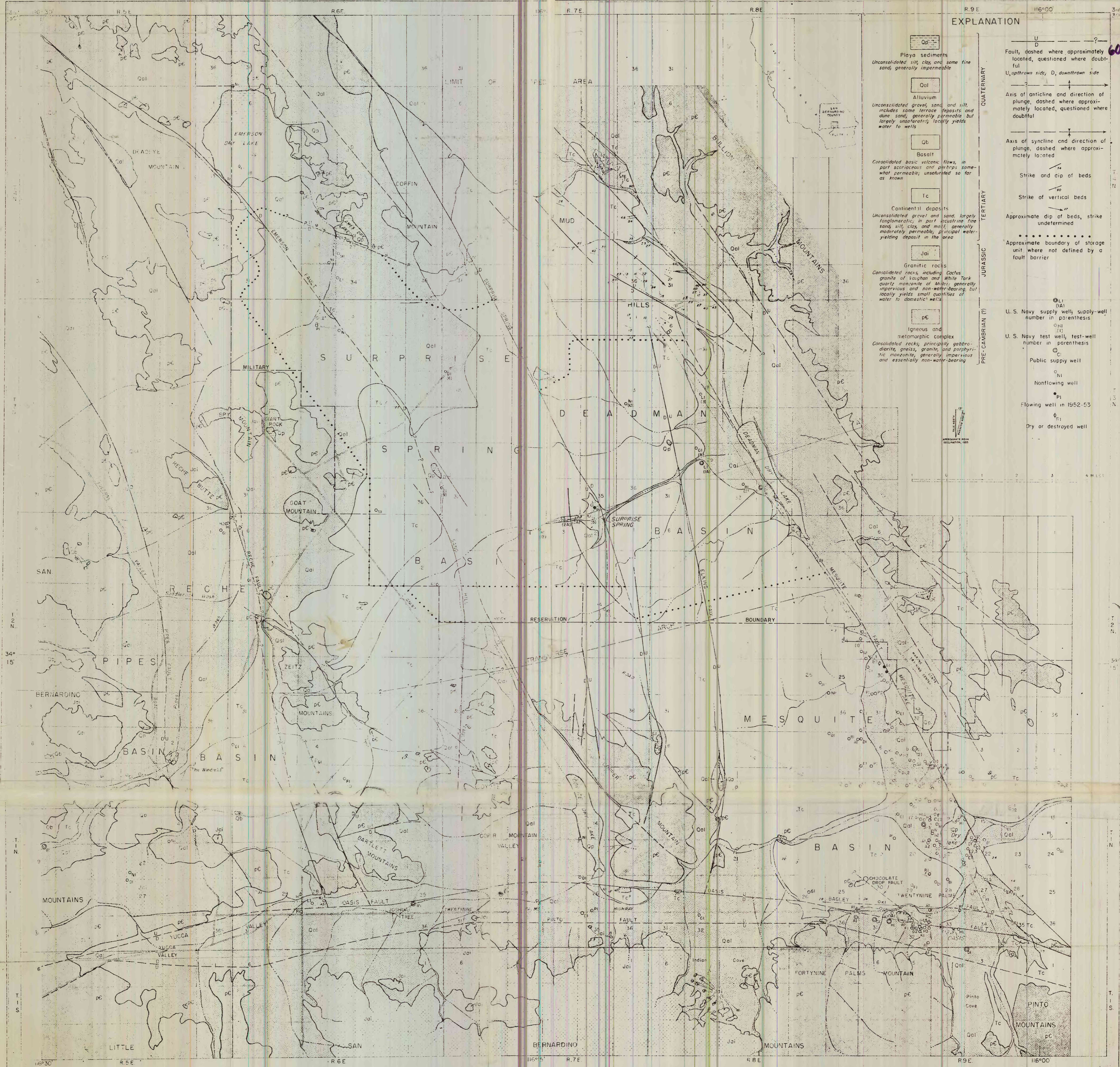


60-39



EXPLANATION

QUATERNARY

- Qp: Playa sediments (Unconsolidated silt, clay, and some fine sand, generally impermeable)
- Qal: Alluvium (Unconsolidated gravel, sand, and silt, includes some terrace deposits and dune sand, generally permeable but largely unsaturated; locally yields water to wells)
- Qb: Basalt (Consolidated basic volcanic flows, in part scoriaceous and perhaps somewhat permeable; unsaturated so far as known)
- Tc: Continental deposits (Unconsolidated gravel and sand, largely fanglomeratic, in part micaceous fine sand, silt, clay, and mud; generally moderately permeable, principal water-yielding deposit in the area)
- Jai: Granitic rocks (Consolidated rocks, including Coactus granite of Ingham and White Tank quartz monzonite of Miller; generally impervious and non-water-bearing but locally yields small quantities of water to domestic wells)

TERTIARY

- pc: Igneous and metamorphic complex (Consolidated rocks, principally gabbro-diorite, gneiss, granite, and porphyritic monzonite, generally impervious and essentially non-water-bearing)

JURASSIC

- U: U.S. Navy supply well, supply-well number in parenthesis
- U(1): U.S. Navy test well, test-well number in parenthesis
- : Public supply well
- _N: Nonflowing well
- : Flowing well in 1952-53
- _D: Dry or destroyed well

PRE-CAMBRIAN (?)

U, D: Fault, dashed where approximately located, questioned where doubtful; U, upthrown side; D, downthrown side

↕: Axis of anticline and direction of plunge, dashed where approximately located, questioned where doubtful

↕: Axis of syncline and direction of plunge, dashed where approximately located

↙ ↘: Strike and dip of beds

↙ ↘: Strike of vertical beds

↙ ↘: Approximate dip of beds, strike undetermined

.....: Approximate boundary of storage unit where not defined by a fault barrier

Scale: 0 1 2 3 4 MILES

APPROXIMATE MEAN REGULATION, 1955

Base chiefly from map by W. B. Hatch, surveyor, and compiled by F. S. Riley from AMS photomaps, 1953

MAP OF THE TWENTYNINE PALMS BASIN, CALIFORNIA
SHOWS GEOLOGY AND LOCATIONS OF WELLS

Geology by F. S. Riley, 1953
Geology is preliminary reconnaissance and is subject to revision